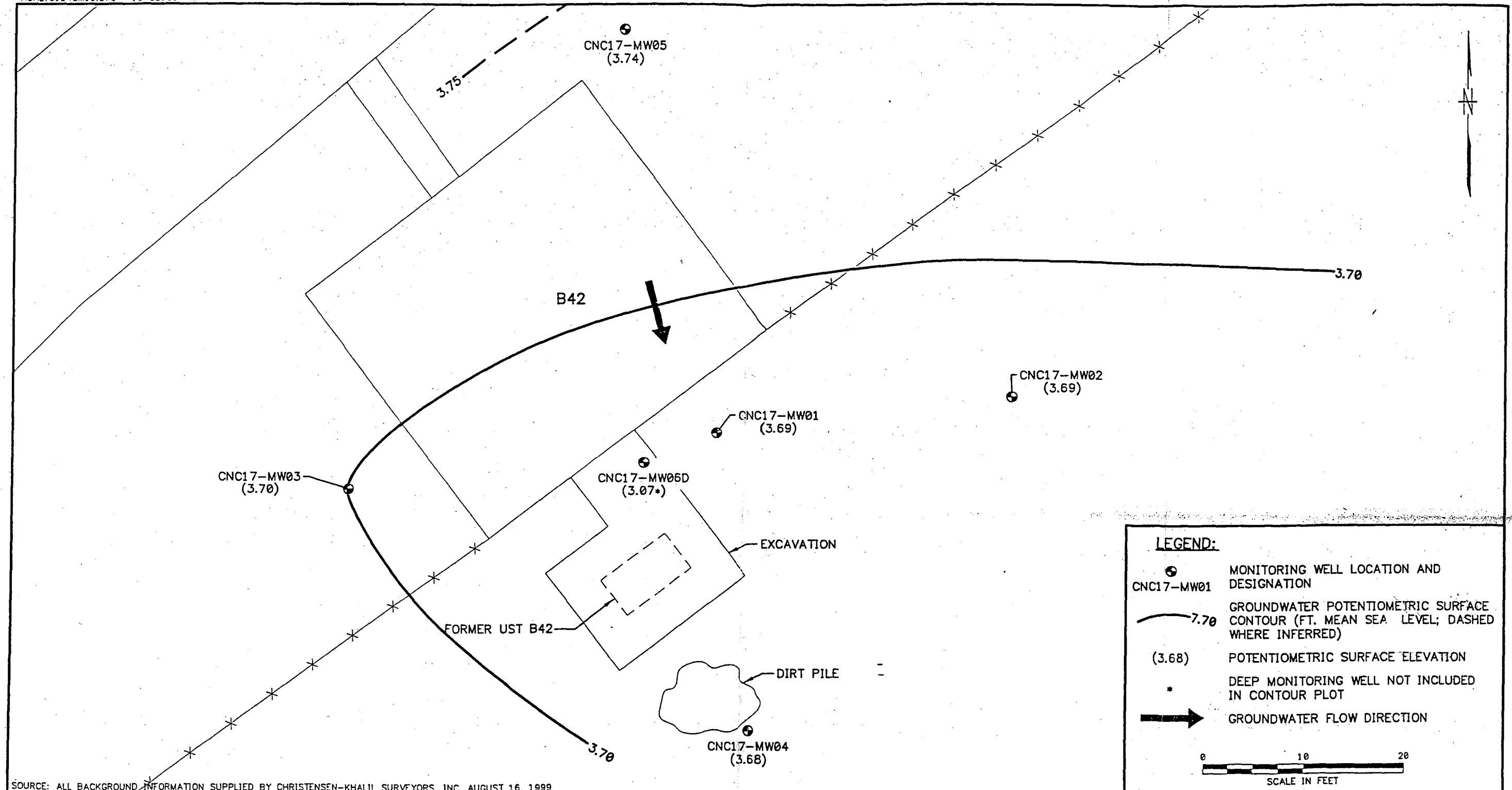


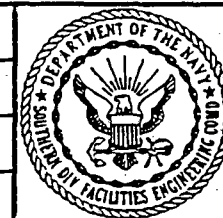
N61165.AR.005700
CNC CHARLESTON
5090.3a

WATER WELL RECORDS FOR BUILDINGS 760, B42, AND 1137 CNC CHARLESTON SC
08/02/2001
ENVIRONMENTAL ENTERPRISE GROUP



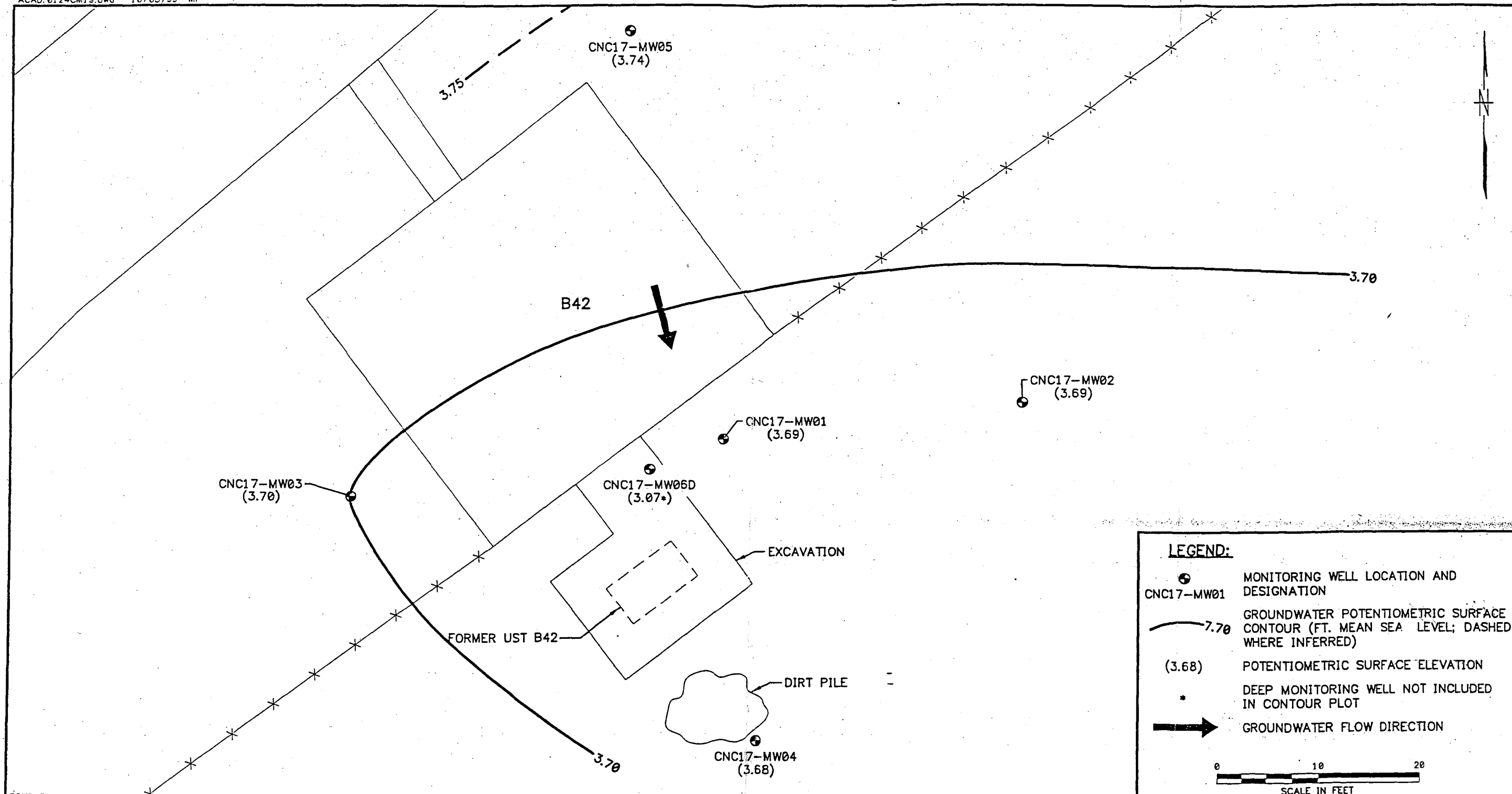
SOURCE: ALL BACKGROUND INFORMATION SUPPLIED BY CHRISTENSEN-KHALIL SURVEYORS, INC. AUGUST 16, 1999

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE
							MF	10/5/99
							CHECKED BY	DATE
							COST/SCHED-AREA	
							SCALE	
							AS NOTED	



GROUNDWATER POTENTIOMETRIC MAP
(JULY 20, 1999)
SITE 17 BUILDING B42
ZONE G, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

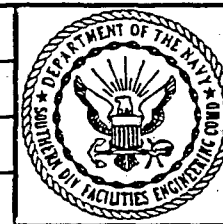
CONTRACT NO. 0124	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 6	REV. 0



SOURCE: ALL BACKGROUND INFORMATION SUPPLIED BY CHRISTENSEN-KHALIL SURVEYORS, INC. AUGUST 16, 1999

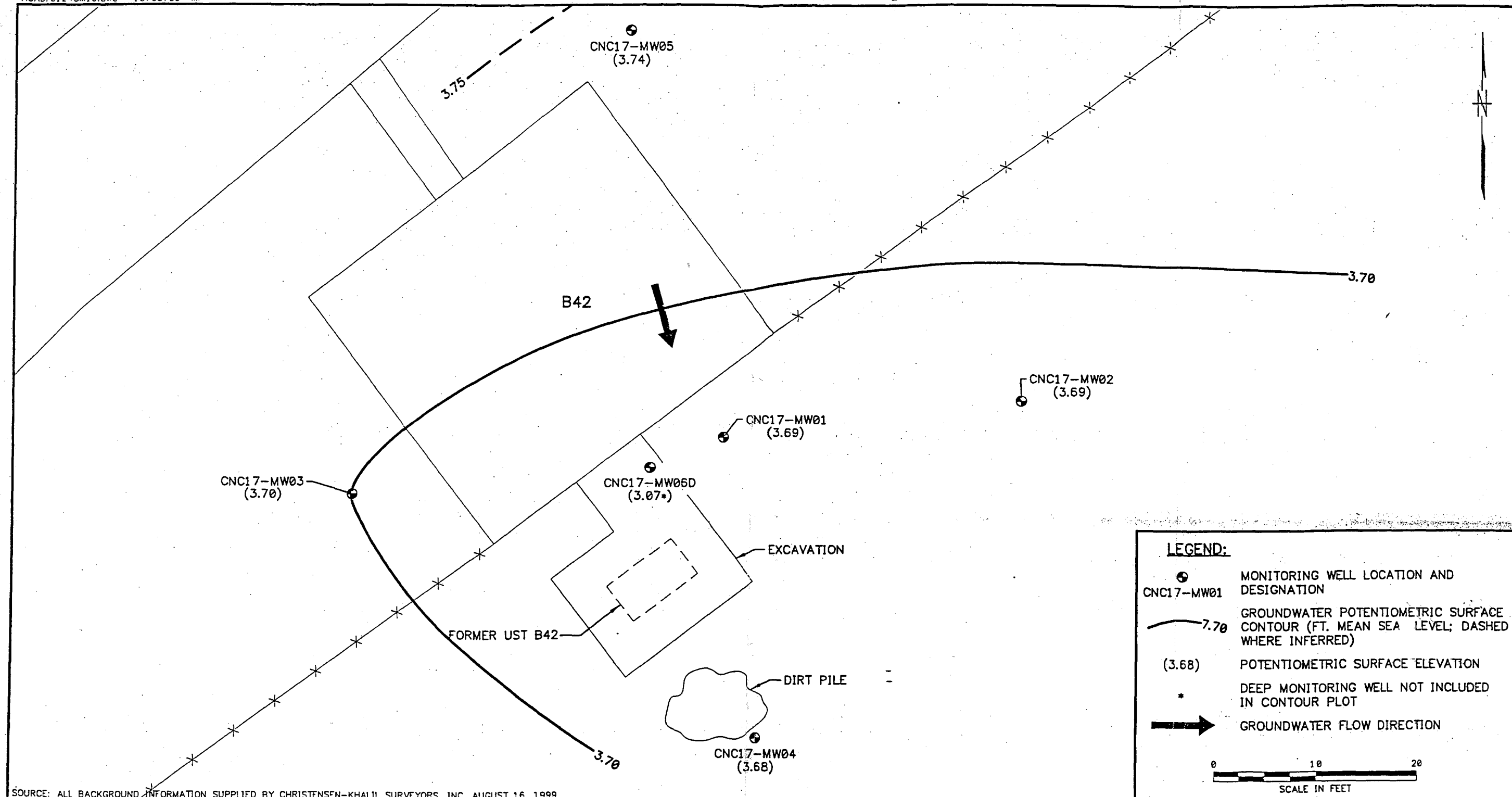
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DRAWN BY MF 10/5/99
 CHECKED BY DATE
 COST/SCHED-AREA
 SCALE AS NOTED



GROUNDWATER POTENTIOMETRIC MAP
 (JULY 20, 1999)
 SITE 17 BUILDING B42
 ZONE G, CHARLESTON NAVAL COMPLEX
 NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO. 0124	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 6	REV. 0



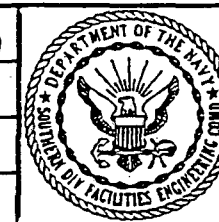
LEGEND:

- MONITORING WELL LOCATION AND DESIGNATION
- GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR (FT. MEAN SEA LEVEL; DASHED WHERE INFERRED)
- (3.68) POTENTIOMETRIC SURFACE ELEVATION
- DEEP MONITORING WELL NOT INCLUDED IN CONTOUR PLOT
- GROUNDWATER FLOW DIRECTION

SOURCE: ALL BACKGROUND INFORMATION SUPPLIED BY CHRISTENSEN-KHALIL SURVEYORS, INC. AUGUST 16, 1999

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY MF 10/5/99
 DATE
 CHECKED BY DATE
 COST/SCHED-AREA
 SCALE AS NOTED



GROUNDWATER POTENTIOMETRIC MAP
 (JULY 20, 1999)
 SITE 17 BUILDING B42
 ZONE G, CHARLESTON NAVAL COMPLEX
 NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO. 0124	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 6	REV. 0



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

LOCATION OF WELL:

County: Charleston

System Name:

Latitude:

Longitude:

Distance and Direction from Road Intersections:

Approximately 140 feet from the intersection of Ave D South and
Coker St. on the east side of Bldg. 225
SEE MAP.

Street Address & City of Well Location:

Sketch Map:

CNC17-MW-03

2. CUTTING SAMPLES: ☐ Yes ☒ No

Geophysical Logs: ☐ Yes (please enclose) ☒ No

Formation Description

*Thickness
of
Stratum

Depth to
Bottom of
Stratum

4. OWNER OF WELL: Department of the Navy
Address:

Telephone No.:

Engineer: J. A. Jones Environmental Services

Address: 1849 Avenue F North Charleston, SC 29405

Telephone No.: 843-740-2780

5. WELL DEPTH (completed)

Date Started: 08/02/01

15

ft.

Date Completed: 08/02/01

6. ☐ Mud Rotary

☐ Jetted

☒ Bored

☐ Dug

☐ Air Rotary

☐ Driven

☐ Cable tool

☐ Other

7. USE:

☐ Domestic

☐ Public Supply-Permit No. _____

☐ Industry

☐ Irrigation

☐ Air Conditioning

☐ Commercial

☐ Test Well

☒ Monitor Well

☐

8. CASING: ☒ Threaded ☐ Welded

Diam.: 2 inches

Type: ☒ PVC

☐ Galvanized

☐ Steel

☐ Other

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height: Above/Below

Surface flush mount _____ ft.

Weight _____ lb./ft.

Drive Shoe? ☐ Yes ☒ No

9. SCREEN

Type: PVC

Diam.: 2 inches

Slot/Gauge: .010

Length: 10 feet

Set Between: 5 ft. and 15 ft.

_____ ft. and _____ ft.

NOTE: MULTIPLE SCREENS
USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

7.61

ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: ☐ Yes (please enclose) ☒ No

Yield: _____

12. WATER QUALITY

Chemical Analysis ☐ Yes ☒ No

Bacterial Analysis ☐ Yes ☒ No

Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 5

ft. to 15

ft.

Effective size #2 sand

Uniformity Coefficient _____

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement

☐ Sand Cement

☒ Concrete

☐ Other _____

Depth: From 0

ft. to 15

ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction

Type well disinfected ☐ Yes Type: _____

upon completion ☒ No Amount: _____

16. PUMP: Date installed: _____ Not installed ☒

Mfr. Name: _____

Model No.: _____

H.P. _____

Volts _____

Length of drop pipe _____ ft.

Capacity _____ gpm

TYPE: ☐ Submersible

☐ Jet (shallow)

☐ Turbine

☐ Jet (deep)

☐ Reciprocating

☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under
my direction and this report is true to the best of my knowledge and belief.

Registered Business Name: IST

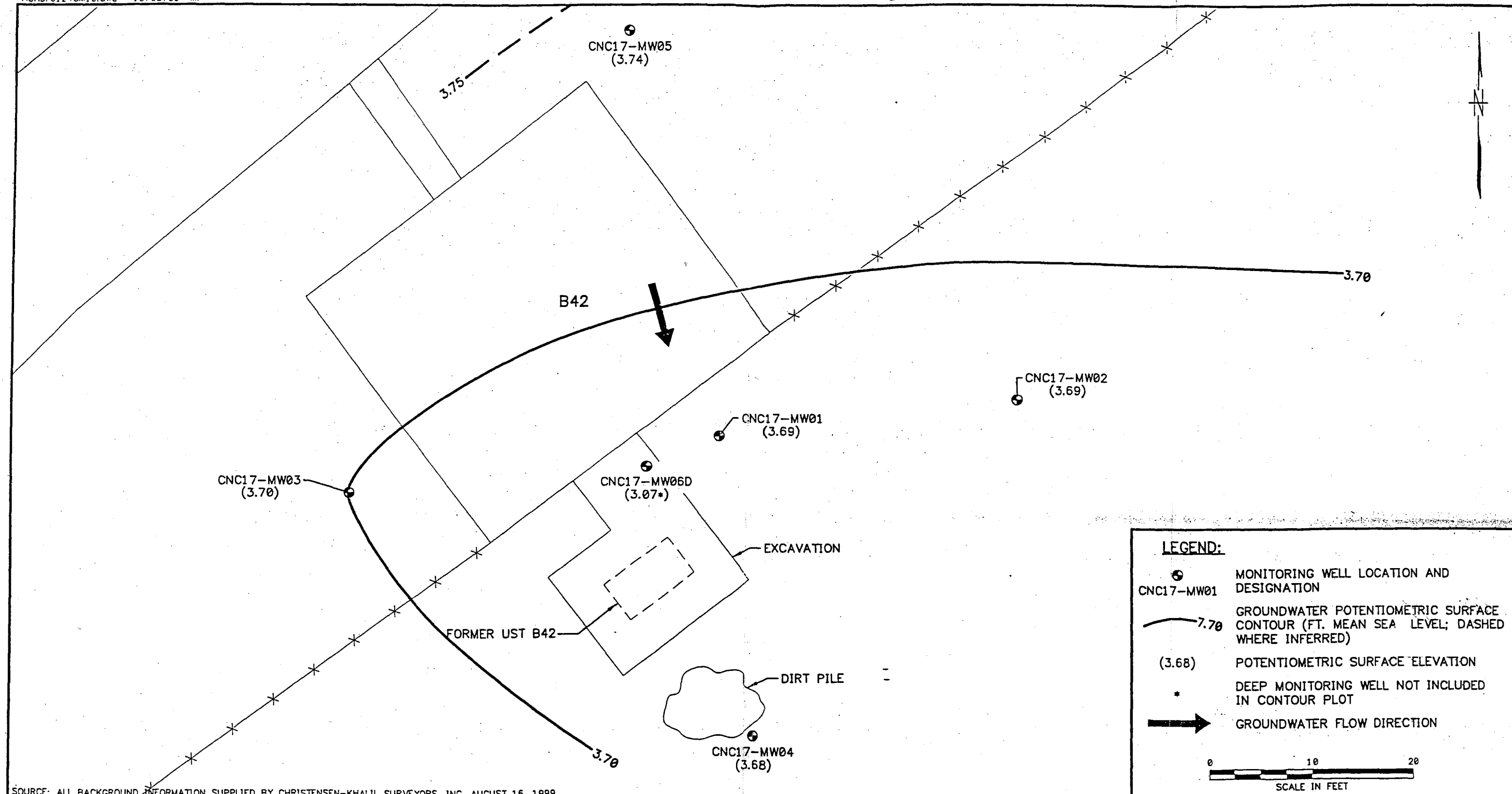
Date: 8/6/01

Address: 2154 N. Center St. Suite 306 N. Char. SC 29406


Signed: _____

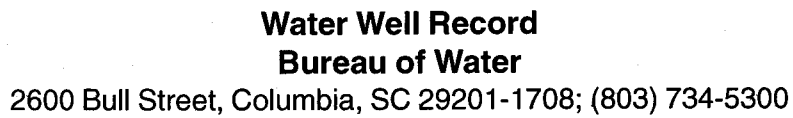
Authorized Representative

Cert. No.: 01645



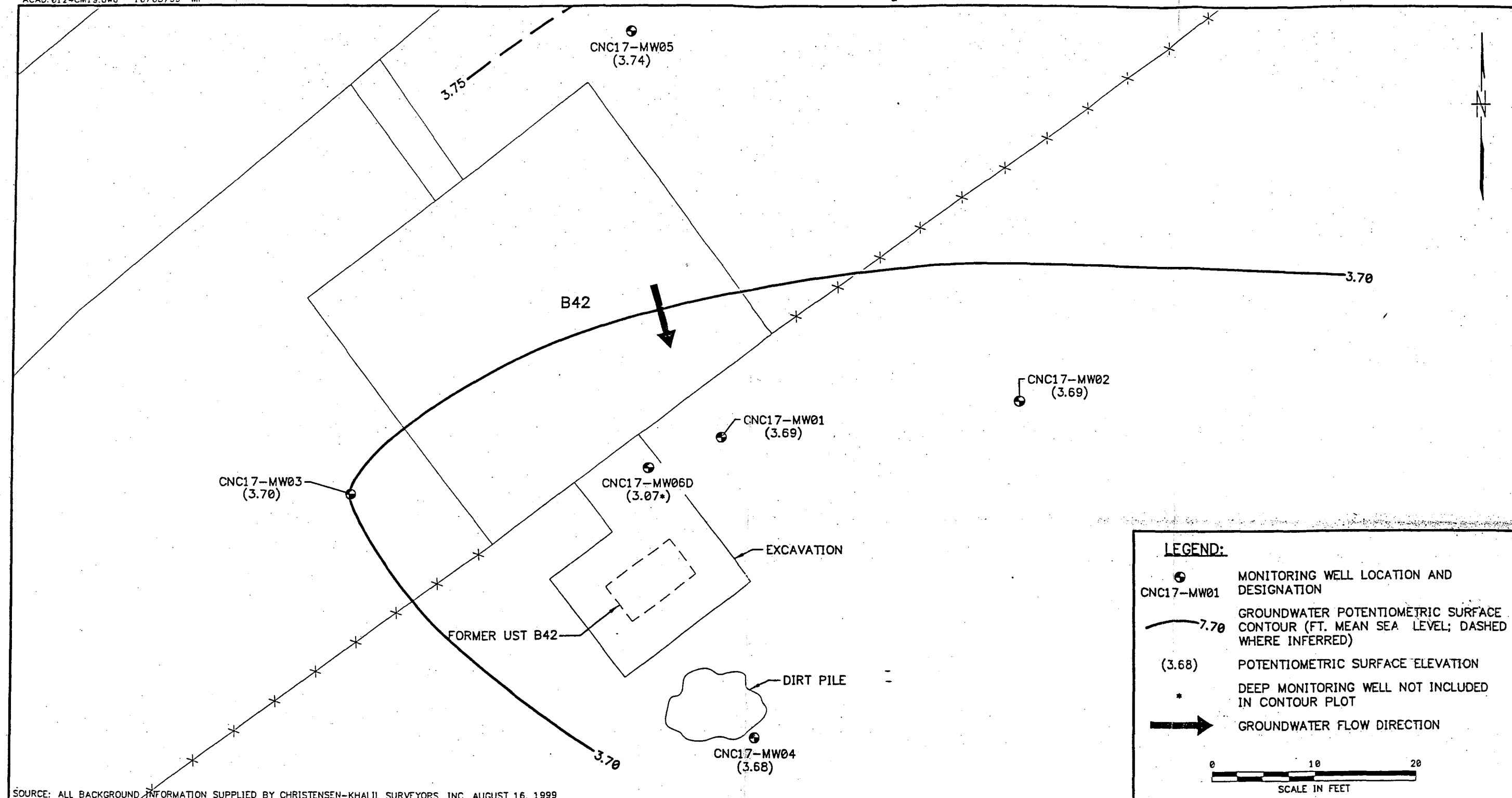
SOURCE: ALL BACKGROUND INFORMATION SUPPLIED BY CHRISTENSEN-KHALIL SURVEYORS, INC. AUGUST 16, 1999

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE		CONTRACT NO. 0124		
							MF	10/5/99		APPROVED BY		DATE
										APPROVED BY		DATE
										DRAWING NO. FIGURE 6		REV. 0



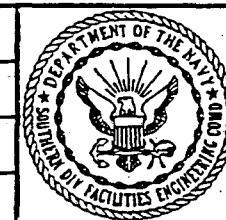
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



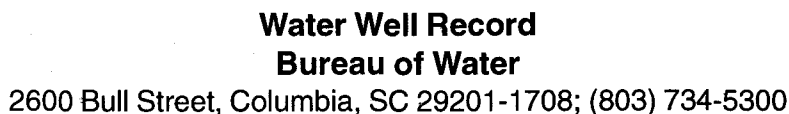
SOURCE: ALL BACKGROUND INFORMATION SUPPLIED BY CHRISTENSEN-KHALIL SURVEYORS, INC. AUGUST 16, 1999

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE
							MF	10/5/99
							CHECKED BY	DATE
							COST/SCHED-AREA	
							SCALE	
							AS NOTED	



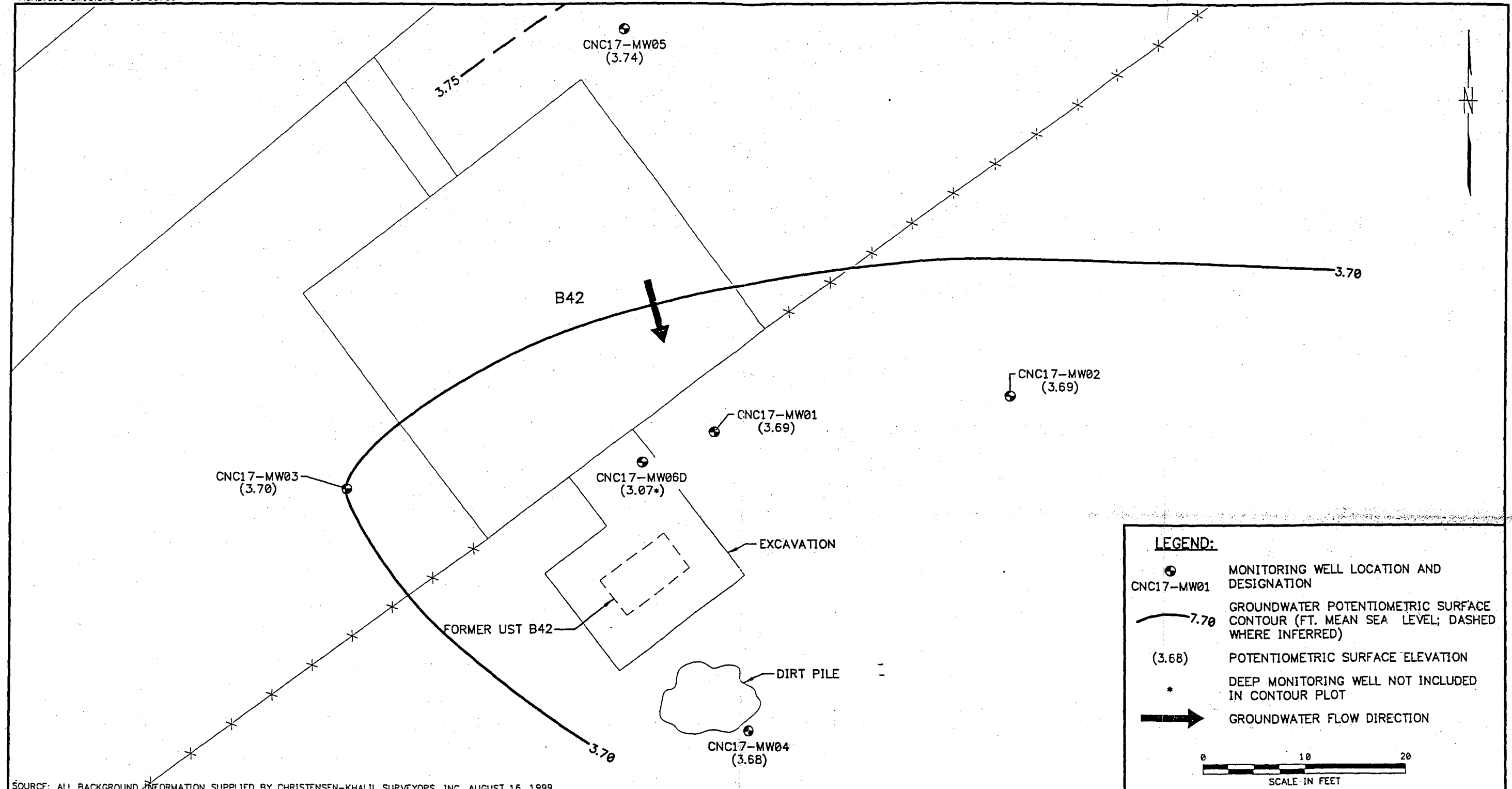
GROUNDWATER POTENTIOMETRIC MAP
(JULY 20, 1999)
SITE 17 BUILDING B42
ZONE G, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO. 0124	APPROVED BY	DATE
APPROVED BY	DATE	
DRAWING NO. FIGURE 6	REV. 0	




2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



SOURCE: ALL BACKGROUND INFORMATION SUPPLIED BY CHRISTENSEN-KHALIL SURVEYORS, INC. AUGUST 16, 1999

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE		CONTRACT NO. 0124		
							MF	10/5/99		APPROVED BY		DATE
										APPROVED BY		DATE
										DRAWING NO.		REV.
							SCALE AS NOTED		GROUNDWATER POTENTIOMETRIC MAP (JULY 20, 1999) SITE 17 BUILDING B42 ZONE G, CHARLESTON NAVAL COMPLEX NORTH CHARLESTON, SOUTH CAROLINA		FIGURE 6 0	



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:

County: Charleston

System Name:

Latitude:

Longitude:

Distance and Direction from Road Intersections:

Approximately 140 feet from the intersection of Ave D South and
Cofer St. on the east side of Bldg. 225 LCO 8/20/01
SEE ATTACHED MAP.

Street Address & City of Well Location:

Sketch Map:

CNC31-MW-01

2. CUTTING SAMPLES: ☐ Yes ☒ No

Geophysical Logs: ☐ Yes (please enclose) ☒ No

Formation Description

*Thickness
of
Stratum

Depth to
Bottom of
Stratum

4. OWNER OF WELL: Department of the Navy
Address:

Telephone No.:

Engineer: J. A. Jones Environmental Services

Address: 1849 Avenue F North Charleston, SC 29405

Telephone No.: 843-740-2780

5. WELL DEPTH (completed)

Date Started: 08/02/01

19 ft.

Date Completed: 08/02/01

6. ☐ Mud Rotary ☐ Jetted ☒ Bored ☐ Dug
☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:

☐ Domestic ☐ Public Supply-Permit No. ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☒ Monitor Well ☐

8. CASING: ☒ Threaded ☐ Welded

Diam.: 2 inches

Type: ☒ PVC ☐ Galvanized
☐ Steel ☒ Other

in. to ft. depth
in. to ft. depth

Height: Above/Below

Surface flush mount ft.

Weight lb./ft.

Drive Shoe? ☐ Yes ☒ No

9. SCREEN

Type: PVC

Diam.: 2 inches

Slot/Gauge: .010

Length: 10 feet

Set Between: 9 ft. and 19 ft.

NOTE: MULTIPLE SCREENS

ft. and ft.

USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

11.60

ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

ft. after hrs. Pumping G.P.M.

Pumping Test: ☐ Yes (please enclose) ☒ No

Yield:

12. WATER QUALITY

Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No

Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 9 ft. to 19 ft.

Effective size #2 sand Uniformity Coefficient

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement ☐ Sand Cement ☒ Concrete ☐ Other

Depth: From 0 ft. to 19 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type well disinfected ☐ Yes Type:

upon completion ☒ No Amount:

16. PUMP: Date installed: Not installed ☒

Mfr. Name: Model No.:

H.P. Volts Length of drop pipe ft. Capacity gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine

☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under
my direction and this report is true to the best of my knowledge and belief.

Registered Business Name: IST Date: 8/6/01

Address: 2154 W. Center St. Suite 306 29406

Signed: [Signature] Cert. No.: 01645

Authorized Representative

Packs Removed 8/1/01

BLDG 760

CNC31-B06

<6

CNC31-MW03

5 ug/kg

CNC31-B03

10

CNC31-MW01

CNC31-MW6D

UST EXCAVATION AREA

CNC31-B01

<6

CNC31-B04

<5

BLDG 1413

CNC31-B02

<6

CNC31-MW05

CNC31-B05

<6

CNC31-MW02

<6

CNC31-MW04

CNC31-B07

<6

AVE. "H"

BM
▲**LEGEND:**

● MONITORING WELL LOCATION AND DESIGNATION
CNC31-MW01

● SOIL BORING LOCATION AND DESIGNATION
CNC31-B07

▲ BENCH MARK
BM

<5 ANALYTE AT CONCENTRATION LESS THAN REPORTING LIMIT

10 BENZENE CONCENTRATION (ug/kg)

○ BENZENE SOIL CONCENTRATION

0 30 60
SCALE IN FEET

DRAWN BY DATE
HJP 10/18/99

CHECKED BY DATE

COST/SCHED-AREA

SCALE
AS NOTED



SOIL BENZENE CONCENTRATION MAP
(MAY 1999)
SITE 31, BUILDING 760
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO.
1640

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO. REV.
FIGURE 7 0



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:

County: Charleston

System Name:

Latitude:

Longitude:

Distance and Direction from Road Intersections:

Approximately 140 feet from the intersection of Ave D South and
Cofer St. on the east side of Bldg. 225 LCD 8/20/01
SEE ATTACHED MAP.

Street Address & City of Well Location:

Sketch Map:

CNC31-MW-02

4. OWNER OF WELL: Department of the Navy

Address:

Telephone No.:

Engineer: J. A. Jones Environmental Services

Address: 1849 Avenue F North Charleston, SC 29405

Telephone No.: 843-740-2780

5. WELL DEPTH (completed)

Date Started: 08/02/01

19 ft.

Date Completed: 08/02/01

6. ☐ Mud Rotary ☐ Jetted ☒ Bored ☐ Dug

☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:

☐ Domestic

☐ Public Supply-Permit No. _____

☐ Industry

☐ Irrigation

☐ Air Conditioning

☐ Commercial

☐ Test Well

☒ Monitor Well

8. CASING: ☒ Threaded ☐ Welded

Diam.: 2 inches

Type: ☒ PVC ☐ Galvanized

☐ Steel ☐ Other

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height: Above/Below

Surface flush mount _____ ft.

Weight _____ lb./ft.

Drive Shoe? ☐ Yes ☒ No

9. SCREEN

Type: PVC

Diam.: 2 inches

Slot/Gauge: .010

Length: 10 feet

Set Between: 9 ft. and 19 ft.

NOTE: MULTIPLE SCREENS

_____ ft. and _____ ft.

USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

11.41

ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: ☐ Yes (please enclose) ☒ No

Yield: _____

12. WATER QUALITY

Chemical Analysis ☐ Yes ☒ No

Bacterial Analysis ☐ Yes ☒ No

Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 9 ft. to 19 ft.

Effective size #2 sand Uniformity Coefficient _____

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement ☐ Sand Cement ☒ Concrete ☐ Other _____

Depth: From 0 ft. to 19 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction

_____ Type well disinfected ☐ Yes Type: _____

upon completion ☒ No Amount: _____

16. PUMP: Date installed: _____ Not installed ☒

Mfr. Name: _____ Model No.: _____

H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine

☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Registered Business Name: IST Date: 8/6/01

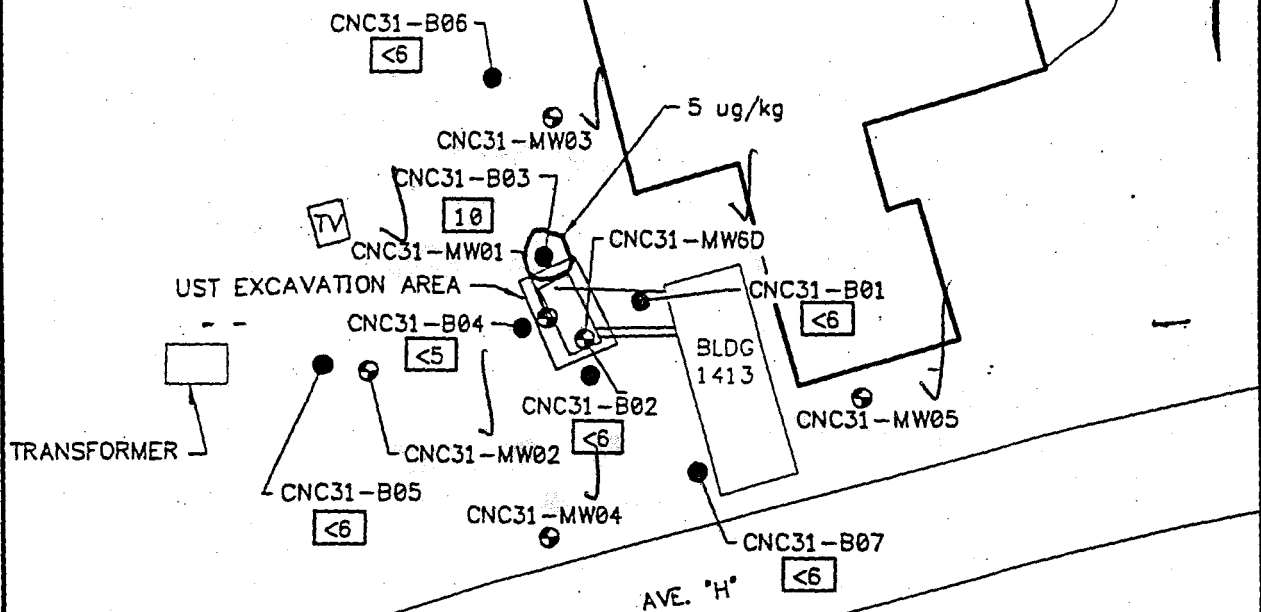
Address: 2154 N. Center St Suite 306 N. Charleston SC 29406

Signed: [Signature] Cert. No.: 01643

Authorized Representative

Pads Removed 8/1/01

BLDG 760

**LEGEND:**

● MONITORING WELL LOCATION AND DESIGNATION
CNC31-MW01

● SOIL BORING LOCATION AND DESIGNATION
CNC31-B07

▲ BENCH MARK
BM

<5 ANALYTE AT CONCENTRATION LESS THAN REPORTING LIMIT

10 BENZENE CONCENTRATION (ug/kg)

○ BENZENE SOIL CONCENTRATION

0 30 60
SCALE IN FEET

DRAWN BY DATE
HJP 10/18/99
CHECKED BY DATE
COST/SCHED-AREA
SCALE
AS NOTED



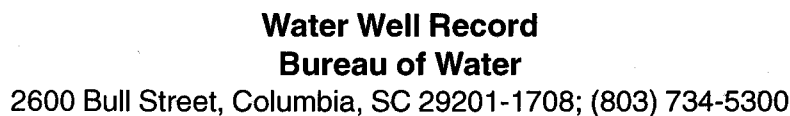
SOIL BENZENE CONCENTRATION MAP
(MAY 1999)
SITE 31, BUILDING 760
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO.
1640

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO. REV.
FIGURE 7 0

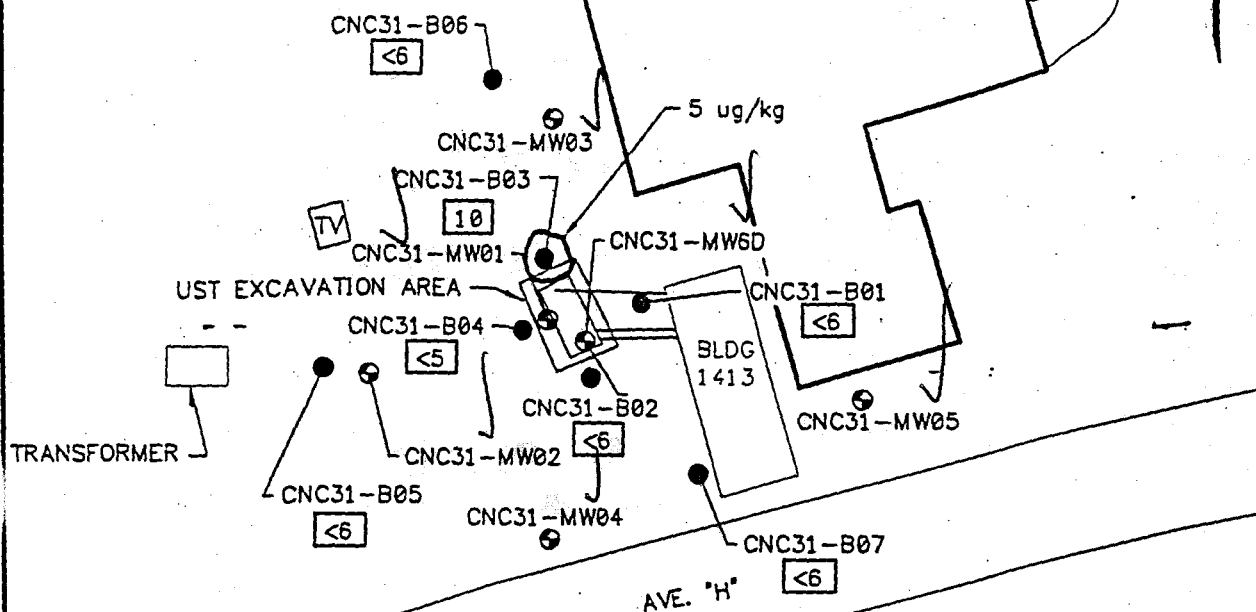


2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Pads Removed 8/1/01

BLDG 760

**LEGEND:**

● MONITORING WELL LOCATION AND DESIGNATION
CNC31-MW01

● SOIL BORING LOCATION AND DESIGNATION
CNC31-B07

△ BENCH MARK
BM

□ <5 ANALYTE AT CONCENTRATION LESS THAN REPORTING LIMIT

□ 10 BENZENE CONCENTRATION (ug/kg)

○ BENZENE SOIL CONCENTRATION

0 30 60
SCALE IN FEET

DRAWN BY DATE
HJP 10/18/99

CHECKED BY DATE

COST/SCHED-AREA

SCALE
AS NOTED



SOIL BENZENE CONCENTRATION MAP
(MAY 1999)
SITE 31, BUILDING 760
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO.
1640

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO.
FIGURE 7

REV.
0



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:

County: Charleston

System Name:

Latitude:

Longitude:

Distance and Direction from Road Intersections:

Approximately 140 feet from the intersection of Ave D South and
Cofer St. on the east side of Bldg. 225 LCO see ATTACHED
8/20/01 MAP.

Street Address & City of Well Location:

Sketch Map:

CNC31-MW-04

4. OWNER OF WELL: Department of the Navy
Address:

Telephone No.:

Engineer: J. A. Jones Environmental Services

Address: 1849 Avenue F North Charleston, SC 29405

Telephone No.: 843-740-2780

5. WELL DEPTH (completed)

Date Started: 08/02/01

19 ft.

Date Completed: 08/02/01

6. ☐ Mud Rotary ☐ Jetted ☒ Bored ☐ Dug
☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:

☐ Domestic ☐ Public Supply-Permit No. ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☒ Monitor Well

8. CASING: ☒ Threaded ☐ Welded

Diam.: 2 inches

Type: ☒ PVC ☐ Galvanized
☐ Steel ☐ Other

in. to ft. depth
in. to ft. depth

Height: Above/Below
Surface flush mount ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☒ No

9. SCREEN

Type: PVC Diam.: 2 inches

Slot/Gauge: .010 Length: 10 feet

Set Between: 9 ft. and 19 ft. NOTE: MULTIPLE SCREENS
USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

10.95 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

ft. after hrs. Pumping G.P.M.

Pumping Test: ☐ Yes (please enclose) ☒ No

Yield:

12. WATER QUALITY

Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No
Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 9 ft. to 19 ft.

Effective size #2 sand Uniformity Coefficient

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement ☐ Sand Cement ☒ Concrete ☐ Other

Depth: From 0 ft. to 19 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type well disinfected ☐ Yes Type:
upon completion ☒ No Amount:

16. PUMP: Date installed: Not installed ☒

Mfr. Name: Model No.:

H.P. Volts Length of drop pipe ft. Capacity gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under
my direction and this report is true to the best of my knowledge and belief.

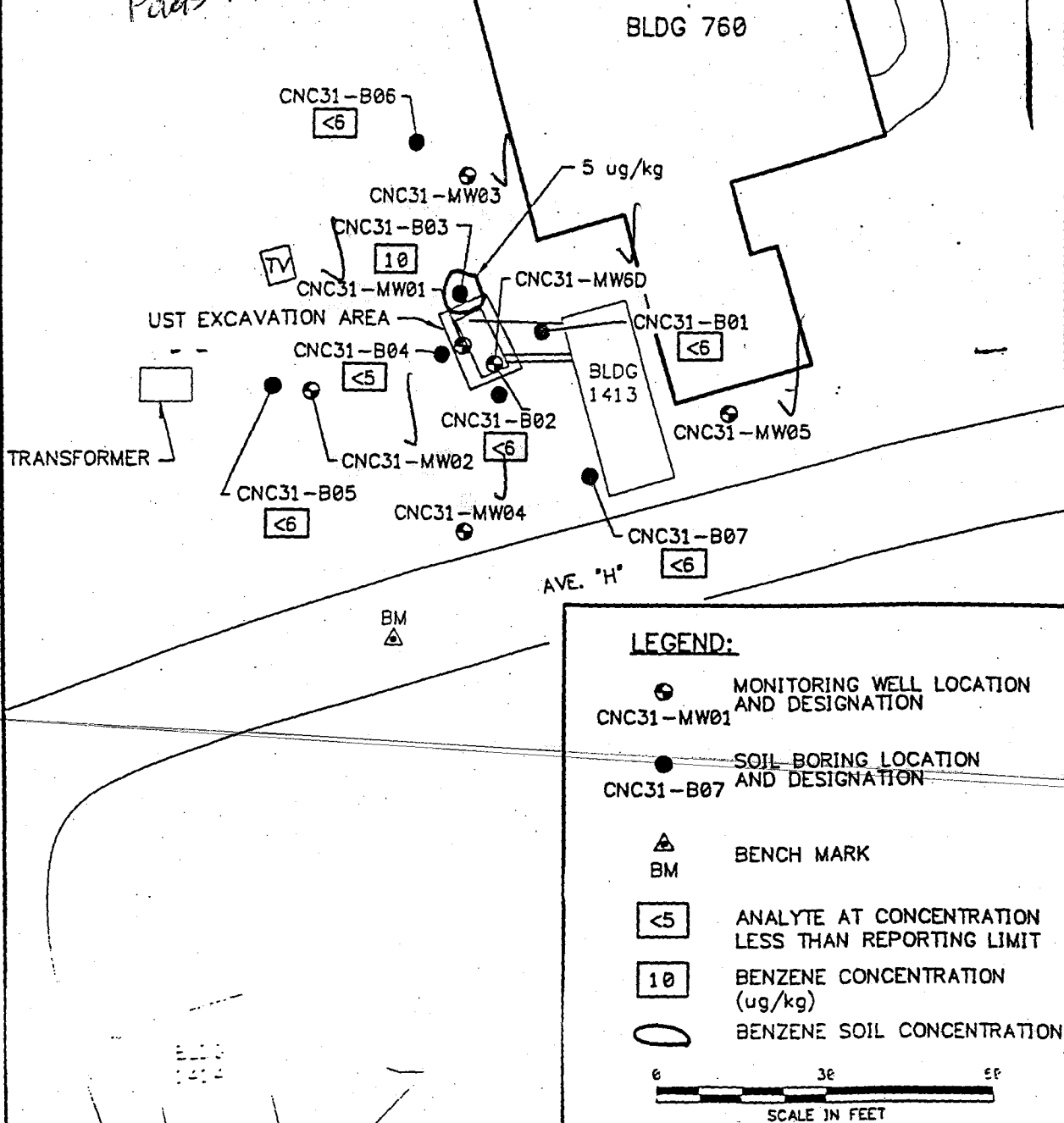
Registered Business Name: IST Date: 8/6/01

Address: 2154 N. Center St Suite 306 N. Charleston SC 29406

Signed: CR McJannet Cert. No.: 01645

Authorized Representative

Pads Removed 8/1/01



LEGEND:

● MONITORING WELL LOCATION AND DESIGNATION
CNC31-MW01

● SOIL BORING LOCATION AND DESIGNATION
CNC31-B07

△ BENCH MARK
BM

□ <5 ANALYTE AT CONCENTRATION LESS THAN REPORTING LIMIT

□ 10 BENZENE CONCENTRATION (ug/kg)

○ BENZENE SOIL CONCENTRATION

0 30 60
SCALE IN FEET

DRAWN BY HJP	DATE 10/18/99
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE AS NOTED	



SOIL BENZENE CONCENTRATION MAP
(MAY 1999)
SITE J1, BUILDING 760
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO. 1640	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 7	REV. 0



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:

County: Charleston

System Name:

Latitude:

Longitude:

Distance and Direction from Road Intersections:

Approximately 140 feet from the intersection of Ave D South and
Gefer St. on the east side of Bldg. 225 LCD 8/20/01
SEE ATTACHED MAP.

Street Address & City of Well Location:

Sketch Map:

CNC31-MW-05

2. CUTTING SAMPLES: ☐ Yes ☒ No

Geophysical Logs: ☐ Yes (please enclose) ☒ No

Formation Description

*Thickness
of
Stratum

Depth to
Bottom of
Stratum

4. OWNER OF WELL: Department of the Navy
Address:

Telephone No.:

Engineer: J. A. Jones Environmental Services

Address: 1849 Avenue F North Charleston, SC 29405

Telephone No.: 843-740-2780

5. WELL DEPTH (completed)

Date Started: 08/02/01

19 ft.

Date Completed: 08/02/01

6. ☐ Mud Rotary ☐ Jetted ☒ Bored ☐ Dug
☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:

☐ Domestic ☐ Public Supply-Permit No. ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☒ Monitor Well

8. CASING: ☒ Threaded ☐ Welded

Diam.: 2 inches

Type: ☒ PVC ☐ Galvanized
☐ Steel ☐ Other

in. to ft. depth
in. to ft. depth

Height: Above/Below

Surface flush mount ft.

Weight lb./ft.

Drive Shoe? ☐ Yes ☒ No

9. SCREEN

Type: PVC Diam.: 2 inches

Slot/Gauge: .010 Length: 10 feet

Set Between: 9 ft. and 19 ft.

NOTE: MULTIPLE SCREENS
USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

10.70

ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

ft. after hrs. Pumping G.P.M.

Pumping Test: ☐ Yes (please enclose) ☒ No

Yield:

12. WATER QUALITY

Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No

Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 9 ft. to 19 ft.

Effective size #2 sand Uniformity Coefficient

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement ☐ Sand Cement ☒ Concrete ☐ Other

Depth: From 0 ft. to 19 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type well disinfected ☐ Yes Type:
upon completion ☒ No Amount:

16. PUMP: Date installed: Not installed ☒

Mfr. Name: Model No.:

H.P. Volts Length of drop pipe ft. Capacity gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine

☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under
my direction and this report is true to the best of my knowledge and belief.

Registered Business Name: IST Date:

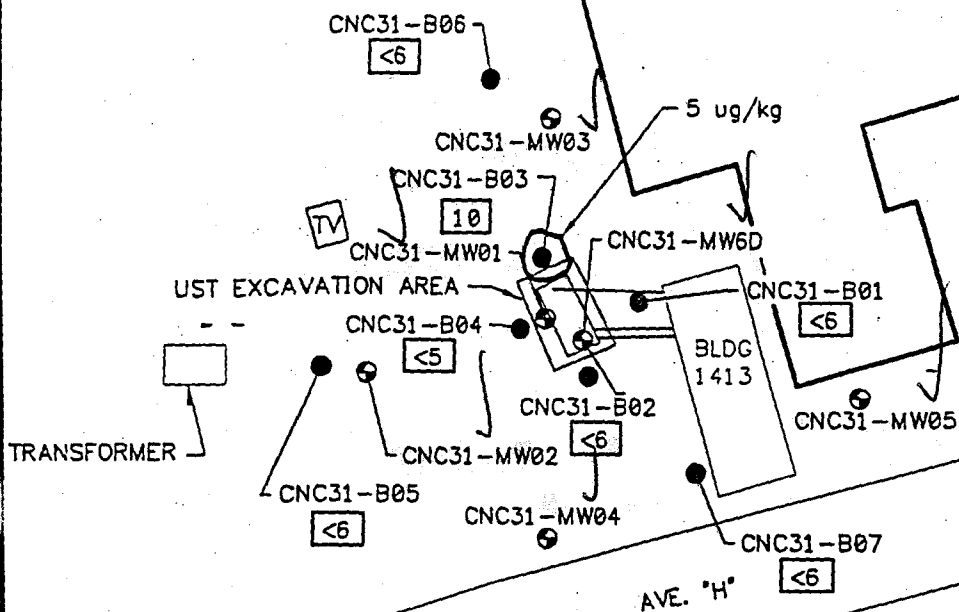
Address: 2154 N. Center St Suite 306 N. Char. SC 29406

Signed: [Signature] Cert. No.: 01645

Authorized Representative

Pads Removed 8/1/01

BLDG 760



LEGEND:

● MONITORING WELL LOCATION AND DESIGNATION
CNC31-MW01

● SOIL BORING LOCATION AND DESIGNATION
CNC31-B07

△ BENCH MARK
BM

□ <5 ANALYTE AT CONCENTRATION LESS THAN REPORTING LIMIT

□ 10 BENZENE CONCENTRATION (ug/kg)

○ BENZENE SOIL CONCENTRATION

0 30 60
SCALE IN FEET

DRAWN BY DATE
HJP 10/18/99

CHECKED BY DATE

COST/SCHED-AREA

SCALE
AS NOTED



SOIL BENZENE CONCENTRATION MAP (MAY 1999)

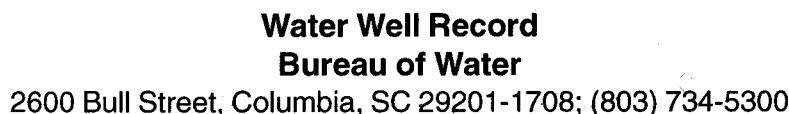
SITE J1, BUILDING 760
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO.
1640

APPROVED BY DATE

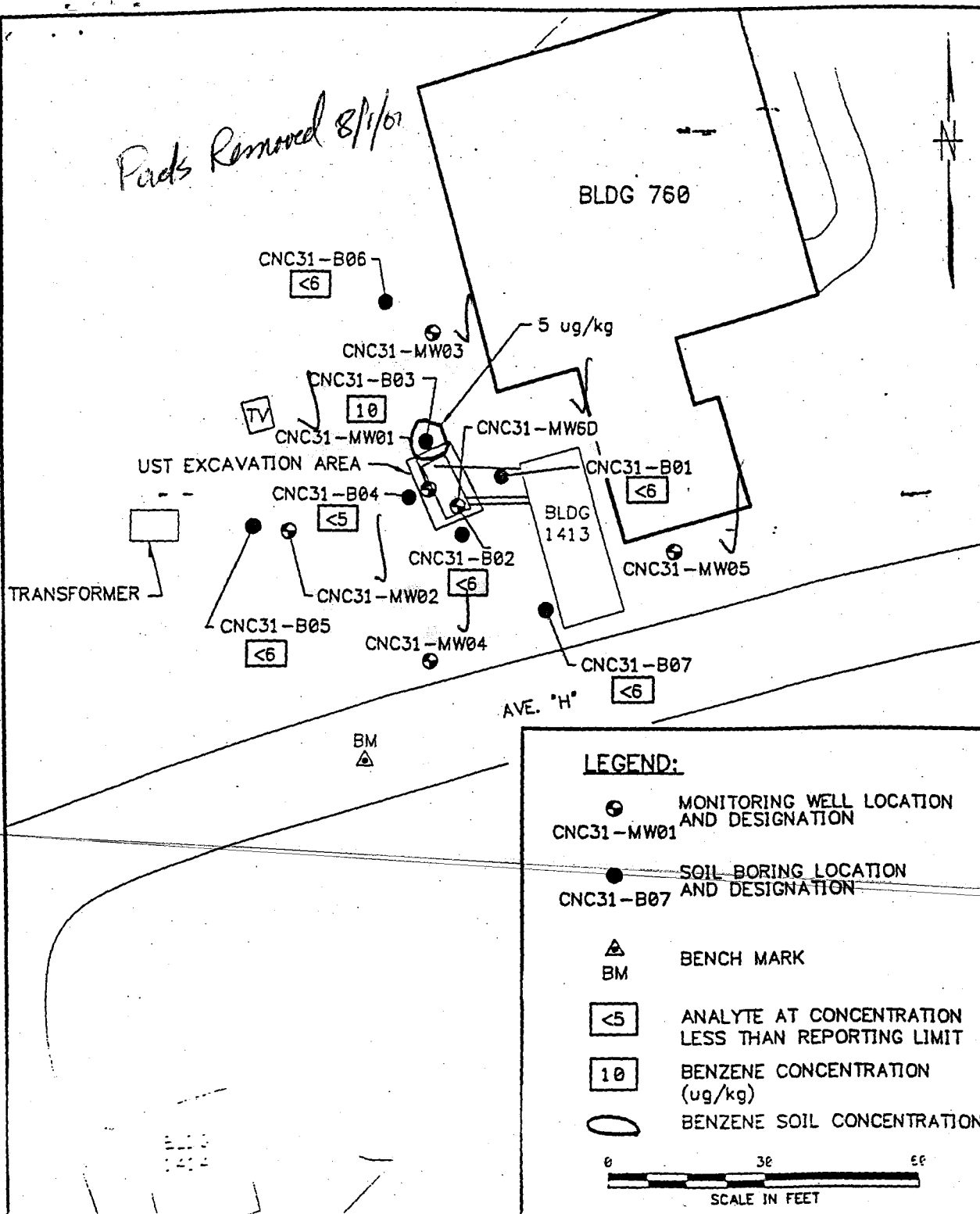
APPROVED BY DATE

DRAWING NO. REV.
FIGURE 7 0



2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



DRAWN BY DATE
HJP 10/18/99

CHECKED BY DATE

COST/SCHED-AREA

SCALE
AS NOTED



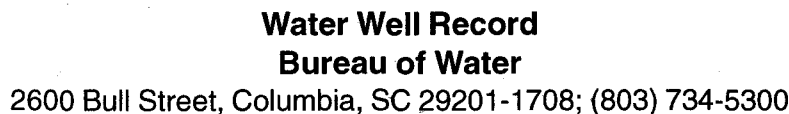
SOIL BENZENE CONCENTRATION MAP
(MAY 1999)
SITE 31, BUILDING 760
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO.
1640

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO. REV.
FIGURE 7 0

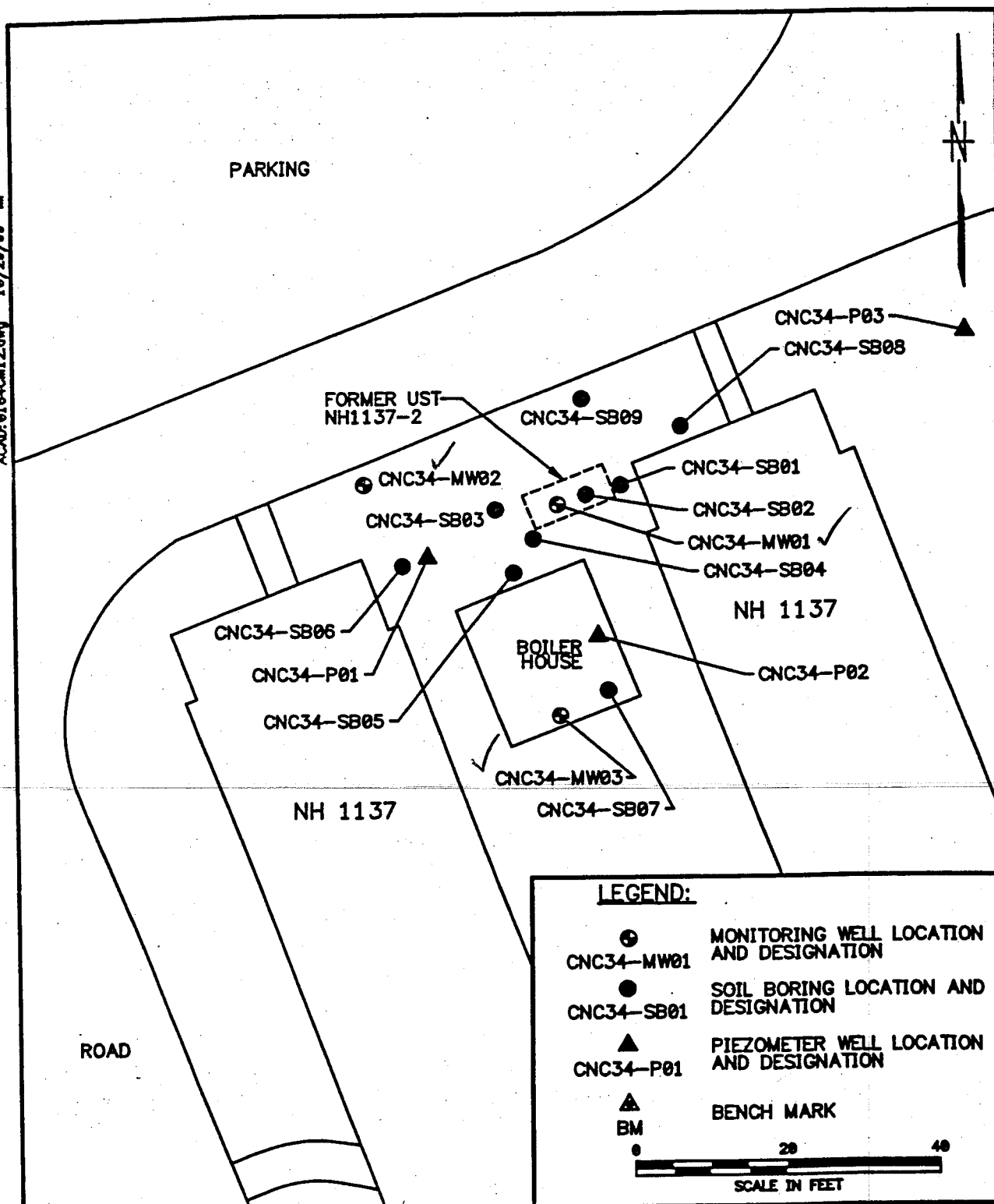


2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Pad removed 8/1/01

ACAD: 018-CM12.dwg 10/20/99 MF



DRAWN BY	DATE
MF	9/28/99
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE AS NOTED	

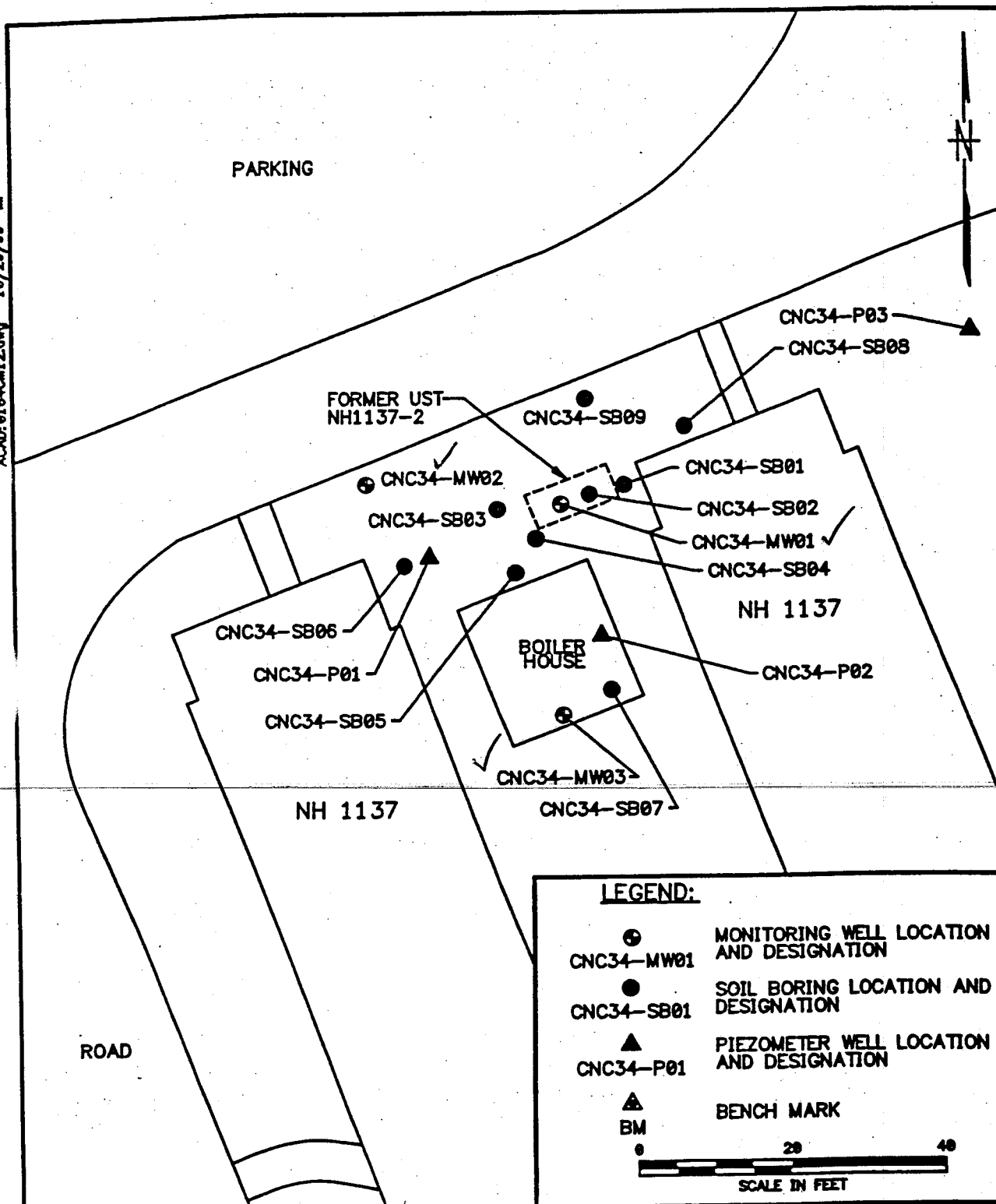


SITE MAP
SITE 34, BUILDING NH 1137-1 & 2
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO. 0124	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 3	REV. 0

Pad removed 8/1/01

ACAD: 0184CMI2.dwg 10/29/99 MF



DRAWN BY
MF 9/28/99

CHECKED BY DATE

COST/SCHED-AREA

SCALE
AS NOTED



SITE MAP
SITE 34, BUILDING NH 1137-1 & 2
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

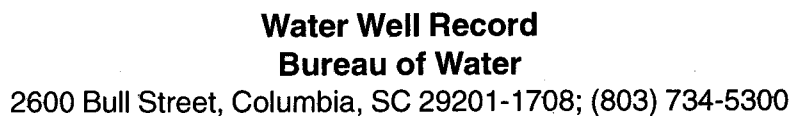
CONTRACT NO.
0124

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO.
FIGURE 3

REV.
0



2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:

County: Charleston

System Name:

Latitude:

Longitude:

Distance and Direction from Road Intersections:

Approximately 140 feet from the intersection of Ave D South and
Coker St. on the east side of Bldg. 225 LCD 8/20/01
SEE MAP.

Street Address & City of Well Location:

Sketch Map:

CNC34-MW-03

4. OWNER OF WELL: Department of the Navy
Address:

Telephone No.:

Engineer: J. A. Jones Environmental Services

Address: 1849 Avenue F North Charleston, SC 29405

Telephone No.: 843-740-2780

5. WELL DEPTH (completed)

Date Started: 08/02/01

12 ft.

Date Completed: 08/02/01

6. ☐ Mud Rotary ☐ Jetted ☒ Bored ☐ Dug
☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. USE:

☐ Domestic ☐ Public Supply-Permit No. ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☒ Monitor Well ☐

8. CASING: ☒ Threaded ☐ Welded

Diam.: 2 inches

Type: ☒ PVC ☐ Galvanized
☐ Steel ☐ Other

in. to ft. depth
in. to ft. depth

Height: Above/Below
Surface flush mount ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☒ No

2. CUTTING SAMPLES: ☐ Yes ☒ No

Geophysical Logs: ☐ Yes (please enclose) ☒ No

Formation Description

*Thickness
of
Stratum

Depth to
Bottom of
Stratum

9. SCREEN

Type: PVC Diam.: 2 inches

Slot/Gauge: .010 Length: 10 feet

Set Between: 2 ft. and 12 ft.

NOTE: MULTIPLE SCREENS
USE SECOND SHEET

in. to ft. depth
in. to ft. depth
Casing Analysis ☐ Yes (please enclose) ☒ No

10. STATIC WATER LEVEL

3.10 ft. below land surface after 24 hours

11. PUMPING LEVEL Below Land Surface.

ft. after hrs. Pumping G.P.M.

Pumping Test: ☐ Yes (please enclose) ☒ No

Yield:

12. WATER QUALITY

Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No

Please enclose lab results.

13. ARTIFICIAL FILTER (gravel pack) ☒ Yes ☐ No

Installed from 2 ft. to 12 ft.

Effective size #2 sand Uniformity Coefficient

14. WELL GROUTED? ☒ Yes ☐ No

☒ Neat Cement ☐ Sand Cement ☒ Concrete ☐ Other

Depth: From 0 ft. to 12 ft.

15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction

Type well disinfected ☐ Yes Type:
upon completion ☒ No Amount:

16. PUMP: Date installed: Not installed ☒

Mfr. Name: Model No.:

H.P. Volts Length of drop pipe ft. Capacity gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under
my direction and this report is true to the best of my knowledge and belief.

Registered Business Name: IST Date: 8/6/01

Address: 2154 N. Center St. Suite 306 N. Charleston 29406

Signed: CR Muzik Cert. No.: 01645
Authorized Representative

*Indicate Water Bearing Zones

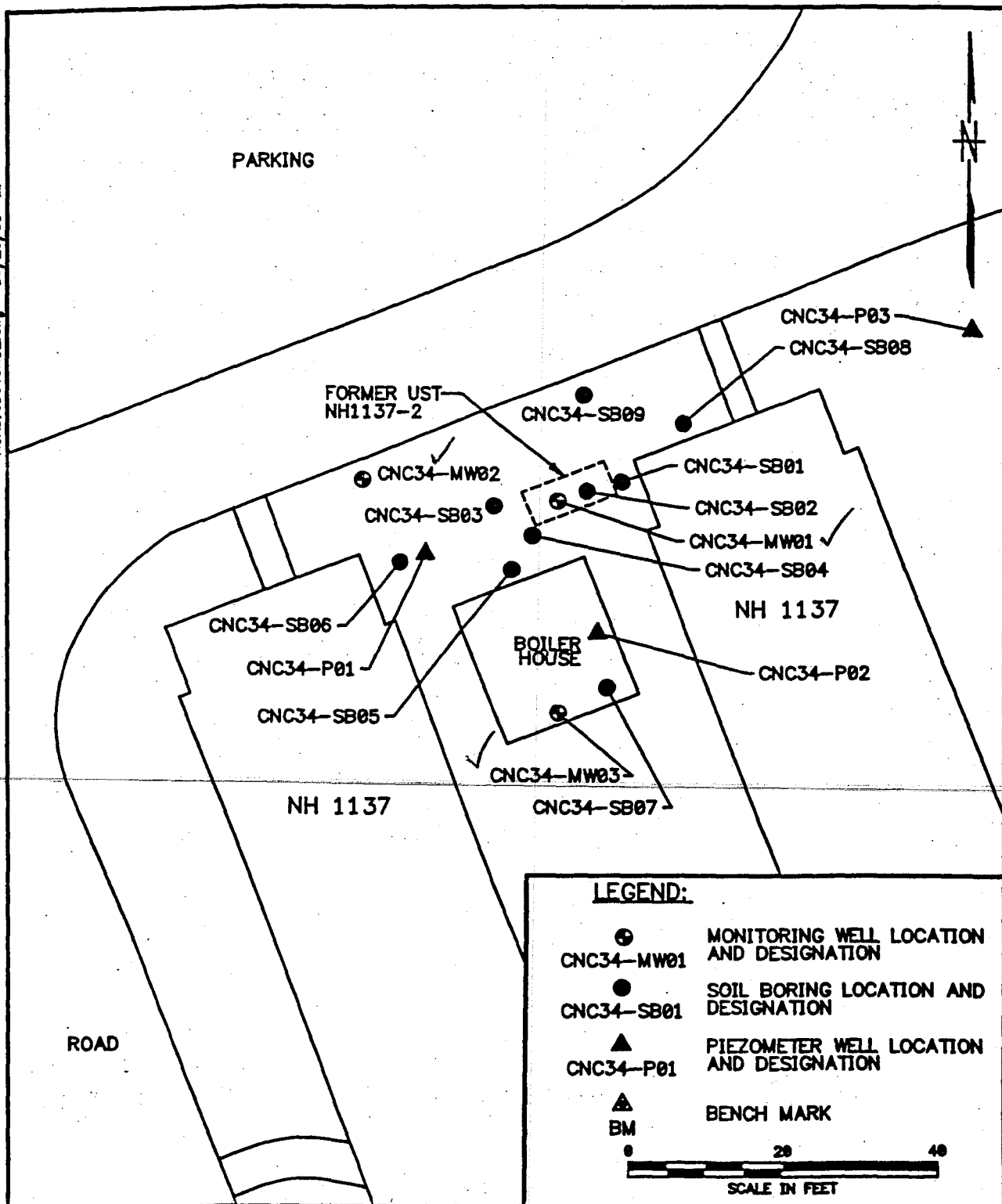
(Use a 2nd sheet if needed)

3. REMARKS:

Abandoned w/ Type I
portland cement grout

Pad removed 8/1/01

ACAD: 0104CM12.dwg 10/20/99 MF



DRAWN BY MF	DATE 9/28/99
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE AS NOTED	



SITE MAP
SITE 34, BUILDING NH 1137-1 & 2
ZONE C, CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

CONTRACT NO. 0124	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 3	REV. 0